



A TESCO COMPANY

# KATC-C2 AUTOMATIC CURRENT TRANSFORMER COMPARATOR



## ISSUE SOLVED

*Got older, slower equipment? Knopp's KATC is faster, more robust and more accurate!*

Knopp's KATC-C2 is a high accuracy current comparator that is compatible with all older generation Knopp comparators, and is designed to be a direct, plug-in replacement requiring no modification of the existing Knopp Current Transformer Test Systems.

Save time and money on service by upgrading your comparator to our new next generation model!

## FEATURES

- Easily Interchangeable with other Knopp comparators; no modification needed
- Compatible with TESCO Test Manager
- Ability to test transformers with 5 ampere secondaries
- Automatic sensing of 50 or 60 Hertz current
- Calculation and display of ANSI accuracy class
- Usage and hookup error detection and alerts, resistant to excessive test current
- Fast testing time (under one minute)
- Continuous instantaneous readings
- Automatic operation (no manual "nulling" or adjustments required)
- Demag
- Auto-ranging capability
- Eliminated the possibility of burning up resistors by turning up the current too fast
- 5" Full color LCD, 800 x480
- KATC-C2-1 model allows the ability to test down to unity

## SPECIFICATIONS

<b>Dimensions:</b>	19" wide, 18.1" Deep, 5.25" High. Note: This is a standard 3U rack enclosure.
<b>Weight:</b>	Approximately 25 pounds
<b>Input power:</b>	85 to 250 VAC, 2.5A, 50/60Hz
<b>Test Frequency:</b>	50±1 Hz, 60±1 Hz
<b>Standard Input:</b>	Range: 50 mA to 20 A Phase Error: ±90 degrees RCF: $0 \leq RCF \leq 10$ Ratio Error: $-100\% \leq \text{Ratio Error} \leq +1000\%$ Accuracy Class: $0\% \leq \text{Accuracy Class} \leq 100\%$ Resolution: RCF: 0.00001 Phase: 0.001 degrees Accuracy Class: 0.01
<b>I/O Connections:</b>	I/O connection Two (2) USB 2.0 (Front panel) Ethernet (Front Panel) RS-485 Multi-drop (Rear panel/internal communications)
<b>Transformer Inputs:</b>	S: High side reference transformer U: High side transformer under test (TUT) E: Low side reference transformer Ē: Low side transformer under test (TUT)
<b>Related Equipment:</b>	KATC-C2-1 allows the ability to test down to unity KCTS-8000 Current Transformer Testing System KCTS-1500 Current Transformer Testing System

